CodeQ	Question	Answer
Ge000	Generalities	
Ge010	What is the gender of the cattle farmer?	O Male O Female
Ge020	What is the experience (in years) of the cattle farmer?	
Ge030	What is the educational level of the cattle farmer?	O 1st secondary cycle O 2nd secondary cycle O Higher education
Ge040	What is the current herd size (in numbers) for each of the following categories?	
Ge044	Calves (2-8 months)	
Ge045	Calves (< 2 months)	
Ge046	Total	
Ge050	Do you keep other farm animals:	O Sheep O Goat O Pigs O Poultry O Horses O Dog O Cat O Other:
Ge060	Which category of staff are working with the animals (multiple answers possible):	O Herd owner O Family members O Employees O Contractuals O Other:
C-070	What do you man by "Biococycity" 2 (ovalois biococycity offerwards)	Contractuals Cottler
Ge070	What do you mean by "Biosecurity" ? (explain biosecurity afterwards)	O Was forested O I was to a O Not well
Ge080	Do you consider biosecurity important for minimizing the risks of introduction and/or spread of infectious diseases?	O Very important O Important O Not really O Not at all O I don't know
Ge090	What is cheaper?	O Treating disease O Prevent diseases O I don't know
Ge100	What is less time consuming?	O Treating disease O Prevent diseases O I don't know
Ge100 Ge110	List the 5 main biosecurity measures implemented in your farm.	Treating disease of Frevent diseases of don't know
Ge120	Do you consider the measures you take as:	O Largely sufficient O Sufficient O Not sufficient O Not sufficient at all O I don't
0.400	Bill a superior to the test to the test of	know
Ge130	Did you attend a training on biosecurity or disease prevention before?	O Yes O No
Ge131	<i>If yes,</i> where?	ODuring my professional training OWorkshop / specific training sessions delivered by :
Ge132	If yes, when?	O this year O previous year O more than 2 years ago
Ge140	Did the staff working on your farm attend a training on biosecurity or disease prevention before?	O Yes O No O I don't know
Ge141	If yes, who delivered it?	
Ge150	Which source of information did you contact before for questions regarding biosecurity or	O Another farmer O Your veterinarian O Another veterinarian
	disease prevention?	O Association of professionals O Internet / professional revues
		O Other:
Pu000	Purchase ( entering / re-entering)	3 00101
Pu010	Do you buy animals?	O Yes O No
Pu011	If yes: How often (per year)?	3163 3 110
Pu012	What kind of animals are bought?	O Bull(s) O Heifer(s) O Cow(s) O Calve(s)
Pu013	Do you always buy animals from the same source?	O Yes O No
Pu014	Where do you buy animals?	O Cattle market O Cattle salesman O Other farm O Other:
Pu015	Is contact possible between animals from different farms before arrival on the farm?	O Yes O No O I don't know
Pu016	Whenever you buy animals from another farm, do you pay attention that the sanitary status	O Yes O Sometimes O No
F4010	and health management of the farm of origin is equal to or higher than your own farm?	o les o someumes o no
Pu016a	If yes, for which disease(s)?	
Pu016b	If sometimes, when and why?	
Pu016c	If no check of status or origin, why?	O Not important O Not feasible or inefficient/useless O Too expensive O Too time consuming O Other:
Pu020	Do animals leave the farm and return after?	O Yes O No
		O Yes, always O Sometimes ONo
	(entering protocol)	o res, umays o sometimes one
Pu022	If yes or sometimes, which diseases, why and when ?	
Pu023	If not, why?	O Not important O Not feasible or inefficient/useless O Too expensive O Too time consuming
		O Other :
Pu030	Are new animals put in quarantine?	O Yes O Sometimes O No
Pu040	Are re-entering animals put in quarantine?	O Yes O Sometimes O No
Pu041	If No, why?	O Not important O Not feasible or inefficient/useless
		O Too expensive OToo time consuming
		O Other :
Pu042	If Sometimes, when and why?	
Pu050	What is the minimum quarantine period applied (in days)?	
Pu060	Do you divide calves into high and low risk groups based on risk classification?	O Yes O No
Tr000	Entering/leaving the farm	
Tr010	Do vehicles have access to areas where animals are kept?	O Yes O No
Tr020	Is the truck empty before entering the farm for loading animals?	O Yes O No O I don't know
Tr030	If empty, is the transport cleaned and disinfected before entering the farm?	O Cleaned and disinfected O Cleaned only O No O I don't know
Tr040	In case of purchases, are only the animals that are supposed to be delivered to your herd in	O Yes O No O I don't know
	the truck?	
DP000	Disease prevention	
DP010	Do you have protocols for vaccination?	O Yes ONo
DP011	If not, why?	O Not important O Not feasible O inefficient/useless
	<i>y - y - y -</i>	O Too expensive OToo time consuming
		O Other:
DD012	If was parainst which diseases and why 2	Outer
DP012	If yes , against which diseases and why?	O Vos. ONe
DP020	Do you take preventive measures for endoparasites?	O Yes ONo
DP021	If yes, what?	O Net important O Net feedble O institute of the
DP022	If not, why?	O Not important O Not feasible O inefficient/useless
		O Too expensive OToo time consuming
		Other:

DP040	Do you take preventive measures for ectoparasites?	O Yes ONO
DP041	If yes, what?	
DP042	If not, why?	O Not important O Not feasible O inefficient/useless
•	, neg,	,
		O Too expensive O Too time consuming
		O Other :
DM000	Disease management	
DM010	Are sick animals physically isolated from healthy animals?	O Yes, always O Sometimes ONo
DM011	If sometimes, for which disease(s)?	
		○ Not important ○ Not fossible ○ inefficient/useless
DM012	<i>If not</i> , why?	O Not important O Not feasible O inefficient/useless
		O Too expensive O Too time consuming
		O Other :
DM020	Is specific equipment and materials used for sick animals in the (buckets, thermometer,	O Yes ONo
	cleaning and feeding utensils, )?	
DM021	If yes, is that equipment cleaned and disinfected after each usage?	O Cleaned and disinfected O Cleaned only O No
DM030	If isolated, how often is the isolation area cleaned?	O Daily O Weekly O Monthly O Quarterly O Other:
DM040	If isolated, how often are the feed troughs of the isolation area cleaned?	O Daily O Weekly O Monthly O Quarterly O Other:
DM041	If isolated, how often are the water troughs of the isolation area cleaned?	O Daily O Weekly O Monthly O Quarterly O Other:
DM050	If isolated, are sick animals taken care before or after healthy animals?	O Before O After O No specific order
DM060	Do you keep a register with animal health data?	O Yes ONo
DM070	What happens to disease carriers that are detected?	O Elimination O Segregation O Nothing O Other:
DM071	If nothing: why?	O Not important O Not feasible O inefficient/useless
		O Too expensive OToo time consuming
		O Other :
VC000	Vermin control	
VC010	What preventive measures are taken to prevent tick, flies and mosquitoes?	
		O Yes ONo
VC011	Usage of repulsives	
VC011a	If not , why ?	O Not important O Not feasible O inefficient/useless
		O Too expensive OToo time consuming
		O Other :
VC012	Clearing pastures of vegetation	O Yes ONo
VC012a	If not , why ?	O Not important O Not feasible O inefficient/useless
• 60120	n not, why .	O Too expensive OToo time consuming
		· ·
		O Other :
VC013	Chemical treatment of the environment	O Yes ONo
VC013a	If not, why?	O Not important O Not feasible O inefficient/useless
		O Too expensive OToo time consuming
		O Other:
VC014	Removal of stagnant water	O Yes ONo
VC014a	If not , why ?	O Not important O Not feasible O inefficient/useless
10140	n not, any .	O Too expensive OToo time consuming
		· ·
		O Other :
VC015	Traps / nets	O Yes ONo
VC015a	If not, why?	O Not important O Not feasible O inefficient/useless
		O Too expensive OToo time consuming
		O Other:
VC016	Manure handling to limit amount of flies	O Yes ONo
VC016a	If not, why?	O Not important O Not feasible O inefficient/useless
VCOIDA	ij not, wily :	· · · · · · · · · · · · · · · · · · ·
		O Too expensive O Too time consuming
		O Other :
VC017	Other (specify what)	
VC020	Is there a rodent control program on farm (different than cats)?	O Yes ONo
VC021	If yes , specify what and its frequency.	
VC022	If no, why?	O Not important O Not feasible O inefficient/useless
	y ···- / ····· y ·	O Too expensive OToo time consuming
		· ·
		O Other :
FP000	Farm placement	0.1. 0.1.
FP010	Is contact possible with cattle from other farms ( adjacent pasture, common passage,)?	O Yes ONo
FP020	Is contact possible with wild ruminants or pigs?	O Yes ONo
FP060	Which of the following animals have access to the stables ?	O Cats O Dogs O Birds ORodents
FP070	Do other caretakers also work (or frequently visit) other farms ?	O Yes ONo O I don't know
MC000	Manure and carcass removal	
MC010	Is a separate storage space with at least cemented floor provided for carcasses storage and	O Yes ONo
IAICOTO	· · · · · · · · · · · · · · · · · · ·	J IES JINU
	removal ?	
MC011	If not, why?	O Not important O Not feasible O inefficient/useless
		O Too expensive OToo time consuming
		O Other :
MC012	If yes, is this storage space protected from vermin, cats and dogs?	O Yes ONo
MC020	Is this storage space cleaned and disinfected after each use?	O Cleaned and disinfected O Cleaned only O No
MC030	Can the carcasses be removed without setting foot on the premises of the farm itself?	O Yes ONo
MC040	Are carcasses manipulated with gloves or are hands cleaned and disinfected after	O Yes ONo
	manipulation of carcasses?	
MC050	Is manure from other farms being spread within 500m from your farm?	O Yes ONo O I don't know
MC060	Which of these animals have access to the manure storage facility?	O Ruminants O Cats O Dogs O Birds O Rodents
MC070	Where is the manure being spread?	O Own pastures only Own pastures + other farms O Sale
FW000	Feed and water	
FW010	Which of these animals have access to food storage facilities ?	O Cats O Dogs O Birds ORodents
FW020	How often are the water troughs cleaned?	times per day / week/ month / quarter
FW030	How often are the feed troughs cleaned?	times per day / week/ month / quarter

FW040	Are feeding utensils cleaned and disinfected after each use?	O Cleaned and disinfected O Cleaned only O No
FW050	Are feeding utensils only used for feed (no double use for manure)?	O Yes ONo
FW060	How often is the water quality tested (per year)?	
Vi000	Visitors	
Vi010	Is the farmyard fenced in order to prevent access to the farm perimeter?	O Yes ONo
Vi011	If not , why ?	O Not important O Not feasible O inefficient/useless
		O Too expensive OToo time consuming
		O Other :
Vi020	Is registration of visitors mandatory?	O Yes ONo
Vi021	If not, why?	O Not important O Not feasible O inefficient/useless
		O Too expensive OToo time consuming
		O Other :
Vi030	Do the following categories of visitors respect the following measures (see table)	
WO000	Working organization	
WO010	Are the animals grouped per age in the stable?	O Yes ONo
WO011	If yes, can different age groups have contact with others?	O Yes ONo
WO012	If yes, do you work in a specific order ?	O From youngest to oldest O From oldest to youngest
		ONo specific order
WO020	If yes, is separate material foreseen for each age group?	O Yes ONo
WO021	If yes, is the material clearly recognizable per age group?	O Yes ONo
WO022	If not, is the material cleaned and disinfected between each group?	O Yes, Cleaned and disinfected O Cleaned only O No
Ma000	Materials	
Ma010	Do you share material with other farms?	O Yes ONo
Ma011	If yes, what?	
Ma020	What measures do you take before re-entering of such material?	O Cleaned and disinfected O Cleaned only O Nothing
Ma030	Are the medical materials and equipment cleaned and disinfected after each usage?	O Cleaned and disinfected O Cleaned only O No
Ma040	Are the needles used single use of multiple use needles?	○ Single use ○ Reusable
Ma041	If reusable, after how many animals do you change it?	
Co000 CD000	Measures between compartments (see table)	
Ca000	Cleaning and disinfection (see table)  Calf management	
Ca010	Are badly growing calves housed with younger calves?	O Yes O No
Ca010	Are calves that are regrouped from individual hutches to group pens of the same age (<1 week	
Cauzu	for younger calves, <8weeks for older calves)?	3 1es 3 No
Ca070	Are calves housed in individual calf boxes/hutches?	O Yes O No
Ca071	If yes, are hutches draught-free?	O Yes O No
Ca072	What kind of litter is used?	O Straw O Concrete O Nothing
00072	That will of field is ascar	O Other (specify):
Ca073	Frequency of floor cleaning/ bedding change?	Once every day / week/ month / quarter
Ca074	Is contact possible with calves in other hutches/boxes?	O Yes O No
Ca075	Does each calf have its own bucket (always the same)?	O Yes O No
Ca076	Are the buckets cleaned after each feeding?	O Yes O No
Ca077	Observation during visit: Was the bedding dry and clean ?	O Yes O No
Ca080	In the group housing, how is the floor structure ?	O Hard surfaced O Not surfaced O Slatted
Ca081	If not slatted, what kind of litter is used?	O Straw O Concrete O Nothing
		O Other (specify):
Ca082	Frequency of floor cleaning/ bedding change?	Once every day / week/ month / quarter
Ca083	Observation during visit: Was the bedding dry and clean ?	O Yes O No
Ca090	Is climate (temperature, humidity,) controlled in the stable?	O Yes O No
Ca100	Does air flow in a specific direction in the stable?	O Youngest to oldest O Oldest to youngest O No specific order
	Consultational and accompany to the formula	, , , , , , , , , , , , , , , , , , , ,

General remarks or comments given by the farmer

09030	Do the following categories of visitors respect the following measures?
-------	---

	Do they have access	If yes, is the access free or			Is the hygiene lock used properly before			
	to the stable?	restricted/ on request ?	Are farmspecific clothes used?	Are farmspecific boots used?	entering ?	Are hands washed and disinfected?	Are gloves used?	Is a disinfection footbath used?
Own personnel			O Yes ONo	O Yes ONo	O Yes ONo	O Yes ONo	O Yes ONo	O Yes ONo
			O Not important O Not feasible	O Not important O Not feasible	O Not important O Not feasible	O Not important O Not feasible	O Not important O Not feasible	O Not important O Not feasible
			O Too expensive O Inefficient/useless	O Too expensive O Inefficient/useless	O Too expensive O Inefficient/useless	O Too expensive O Inefficient/useless	O Too expensive O Inefficient/useless	O Too expensive O Inefficient/useless
			OToo time consuming O Other:	OToo time consuming O Other:	OToo time consuming O Other:	OToo time consuming O Other:	OToo time consuming O Other:	OToo time consuming O Other:
If not, why?								
Veterinarian	O Yes ONo	OFree ORestricted/ on request	O Yes ONo	O Yes ONo	O Yes ONo	O Yes ONo	O Yes ONo	O Yes ONo
			O Not important O Not feasible	O Not important O Not feasible	O Not important O Not feasible	O Not important O Not feasible	O Not important O Not feasible	O Not important O Not feasible
			O Too expensive O Inefficient/useless	O Too expensive O Inefficient/useless	O Too expensive O Inefficient/useless	O Too expensive O Inefficient/useless	O Too expensive O Inefficient/useless	O Too expensive O Inefficient/useless
			OToo time consuming O Other:	OToo time consuming O Other:	OToo time consuming O Other:	OToo time consuming O Other:	OToo time consuming O Other:	OToo time consuming O Other:
If not, why?								
Hoof trimmer	O Yes ONo	OFree OOn request ODenied	O Yes ONo	O Yes ONo	O Yes ONo	O Yes ONo	O Yes ONo	O Yes ONo
			O Not important O Not feasible	O Not important O Not feasible	O Not important O Not feasible	O Not important O Not feasible	O Not important O Not feasible	O Not important O Not feasible
			O Too expensive O Inefficient/useless	O Too expensive O Inefficient/useless	O Too expensive O Inefficient/useless	O Too expensive O Inefficient/useless	O Too expensive O Inefficient/useless	O Too expensive O Inefficient/useless
			OToo time consuming O Other:	OToo time consuming O Other:	OToo time consuming O Other:	OToo time consuming O Other:	OToo time consuming O Other:	OToo time consuming O Other:
If not, why?								
Advisors	O Yes ONo	OFree OOn request ODenied	O Yes ONo	O Yes ONo	O Yes ONo	O Yes ONo	O Yes ONo	O Yes ONo
			O Not important O Not feasible	O Not important O Not feasible	O Not important O Not feasible	O Not important O Not feasible	O Not important O Not feasible	O Not important O Not feasible
			O Too expensive O Inefficient/useless	O Too expensive O Inefficient/useless	O Too expensive O Inefficient/useless	O Too expensive O Inefficient/useless	O Too expensive O Inefficient/useless	O Too expensive O Inefficient/useless
If not, why?			OToo time consuming O Other:	OToo time consuming O Other:	OToo time consuming O Other:	OToo time consuming O Other:	OToo time consuming O Other :	OToo time consuming O Other:
	O Yes ONo	OFree Oon request Openied	Q Yes QNo	O Yes ONo	O Yes ONo	O Yes ONo	O Yes ONo	O Yes ONo
Cattle salesillali	O res ONO	Grice Goil request Obellieu	O Not important O Not feasible	O Not important O Not feasible	O Not important O Not feasible	O Not important O Not feasible	O Not important O Not feasible	O Not important O Not feasible
			O Too expensive O Inefficient/useless	O Too expensive O Inefficient/useless	O Too expensive O Inefficient/useless	O Too expensive O Inefficient/useless	O Too expensive O Inefficient/useless	O Too expensive O Inefficient/useless
			OToo time consuming O Other:	OToo time consuming O Other:	OToo time consuming O Other:	OToo time consuming O Other:	OToo time consuming O Other:	OToo time consuming O Other:
If not, why?			Too time consuming 5 other.	Stoo time consuming Sother.	Too time consuming 5 other.	Too time consuming 5 other.	5 Too time consuming 5 Other .	Grootime consuming Gother.
Feed supplier	O Yes ONo	OFree OOn request ODenied	O Yes ONo	O Yes ONo	O Yes ONo	O Yes ONo	O Yes ONo	O Yes ONo
			O Not important O Not feasible	O Not important O Not feasible	O Not important O Not feasible	O Not important O Not feasible	O Not important O Not feasible	O Not important O Not feasible
			O Too expensive O Inefficient/useless	O Too expensive O Inefficient/useless	O Too expensive O Inefficient/useless	O Too expensive O Inefficient/useless	O Too expensive O Inefficient/useless	O Too expensive O Inefficient/useless
			OToo time consuming O Other:	OToo time consuming O Other:	OToo time consuming O Other:	OToo time consuming O Other:	OToo time consuming O Other:	OToo time consuming O Other:
If not, why?								
Other visitors	O Yes ONo	OFree OOn request ODenied	O Yes ONo	O Yes ONo	O Yes ONo	O Yes ONo	O Yes ONo	O Yes ONo
			O Not important O Not feasible	O Not important O Not feasible	O Not important O Not feasible	O Not important O Not feasible	O Not important O Not feasible	O Not important O Not feasible
			O Too expensive O Inefficient/useless	O Too expensive O Inefficient/useless	O Too expensive O Inefficient/useless	O Too expensive O Inefficient/useless	O Too expensive O Inefficient/useless	O Too expensive O Inefficient/useless
			OToo time consuming O Other:	OToo time consuming O Other:	OToo time consuming O Other:	OToo time consuming O Other:	OToo time consuming O Other:	OToo time consuming O Other:
If not, why?								

13000	Measures per compartment										
	Are the following stable present				Are the clean and dirty		Are farmspecific				
	and physically separated from		If yes, Is a hygiene	only be entered	part of the lock physically		clothes used in that	Are farmspecific boots			Are footbaths
	other areas?	If not, why?	lock used ?	through this?	separated?	If not used, why?	area?	used in that area?	disinfected?	Are gloves used?	used ?
	O Existing and separated	O Not important O Not feasible O Too expensive	O Yes ONo	O Yes ONo	O Yes ONo	O Not important O Not feasible O Too expensive	O Yes ONo	O Yes ONo	O Yes ONo	O Yes ONo	O Yes ONo
	O Existing but not separated	O Inefficient/useless OToo time consuming				O Inefficient/useless OToo time consuming					
Entering the farm	ONon existing	O Other :				O Other :					
	O Existing and separated	O Not important O Not feasible O Too expensive	O Yes ONo	O Yes ONo	O Yes ONo	O Not important O Not feasible O Too expensive	O Yes ONo	O Yes ONo	O Yes ONo	O Yes ONo	O Yes ONo
	O Existing but not separated	O Inefficient/useless OToo time consuming				O Inefficient/useless OToo time consuming					
Hospital pen / Isolation area	ONon existing	O Other :				O Other :					
	O Existing and separated	O Not important O Not feasible O Too expensive	O Yes ONo	O Yes ONo	O Yes ONo	O Not important O Not feasible O Too expensive	O Yes ONo	O Yes ONo	O Yes ONo	O Yes ONo	O Yes ONo
	O Existing but not separated	O Inefficient/useless OToo time consuming				O Inefficient/useless OToo time consuming					
Quarantine stable	ONon existing	O Other :				O Other :					
	O Existing and separated	O Not important O Not feasible O Too expensive	O Yes ONo	O Yes ONo	O Yes ONo	O Not important O Not feasible O Too expensive	O Yes ONo	O Yes ONo	O Yes ONo	O Yes ONo	O Yes ONo
	O Existing but not separated	O Inefficient/useless OToo time consuming				O Inefficient/useless OToo time consuming					
Each calf stable	ONon existing	O Other :				O Other :					
	O Existing and separated	O Not important O Not feasible O Too expensive	O Yes ONo	O Yes ONo	O Yes ONo	O Not important O Not feasible O Too expensive	O Yes ONo	O Yes ONo	O Yes ONo	O Yes ONo	O Yes ONo
	O Existing but not separated	O Inefficient/useless OToo time consuming				O Inefficient/useless OToo time consuming					
Between age groups	ONon existing	O Other :				O Other :					

CD000	Cleaning and disinfection						
		What is the duration of	Are stables cleaned before introduction of new animals, or	Are stables disinfected before introduction of new animals,	or	Is the all in/all out principle respected (no animals introduced	
	Are stables ever completely empty?	empty period +(days) ?	when animals leave?	when animals leave?	Are stables dry before new animals enter ?	in an existing group) ?	What is the stocking density/ capacity of the stables?
ospital pen /	O Yes ONo		O Yes ONo	O Yes ONo	O Yes ONo	O Yes ONo	Capacity ?
solation area							
	O Not important O Not feasible O Too expensive		O Not important O Not feasible O Too expensive	O Not important O Not feasible O Too expensive	O Not important O Not feasible O Too expensive	O Not important O Not feasible O Too expensive	
	O Inefficient/useless OToo time consuming		O Inefficient/useless OToo time consuming	O Inefficient/useless OToo time consuming	O Inefficient/useless OToo time consuming	O Inefficient/useless OToo time consuming	
not, why?	O Other :		O Other :	O Other :	O Other :	O Other :	
uarantine stable	O Yes ONo		O Yes ONo	O Yes ONo	O Yes ONo	O Yes ONo	Capacity ?
	O Not important O Not feasible O Too expensive		O Not important O Not feasible O Too expensive	O Not important O Not feasible O Too expensive	O Not important O Not feasible O Too expensive	O Not important O Not feasible O Too expensive	
	O Inefficient/useless OToo time consuming		O Inefficient/useless OToo time consuming	O Inefficient/useless OToo time consuming	O Inefficient/useless OToo time consuming	O Inefficient/useless OToo time consuming	
not, why?	O Other :		O Other :	O Other :	O Other :	O Other :	
ach calf stable	O Yes ONo		O Yes ONo	O Yes ONo	O Yes ONo	O Yes ONo	Surface available?
	O Not important O Not feasible O Too expensive		O Not important O Not feasible O Too expensive	O Not important O Not feasible O Too expensive	O Not important O Not feasible O Too expensive	O Not important O Not feasible O Too expensive	
	O Inefficient/useless OToo time consuming		O Inefficient/useless OToo time consuming	O Inefficient/useless OToo time consuming	O Inefficient/useless OToo time consuming	O Inefficient/useless OToo time consuming	
not, why?	O Other :		O Other :	O Other :	O Other :	O Other :	
alf hutches/	O Yes ONo		O Yes ONo	O Yes ONo	O Yes ONo		Capacity / number of hutches ?
dividual boxes							
	O Not important O Not feasible O Too expensive		O Not important O Not feasible O Too expensive	O Not important O Not feasible O Too expensive	O Not important O Not feasible O Too expensive		
	O Inefficient/useless OToo time consuming		O Inefficient/useless OToo time consuming	O Inefficient/useless OToo time consuming	O Inefficient/useless OToo time consuming		
fnot, why?	O Other :		O Other :	O Other:	O Other :		